

IN THE SPECIFICATION

Please replace paragraph beginning **[0085]** at page 29, line 3, with the following rewritten paragraph:

[0085] Thus according to the operation of the methodology 600 of Figure 6 and the example of Figure 3, within each scheduling cycle, the highest speed grade "circle" is completely run through after the servicing of the third partition 303_x. After the third partition 303_x is serviced, the first inquiry 602 is a logical false (because the highest speed ~~greed~~grade count is a 1.0 (i.e., has not timed out) as seen in Figure 3). The second inquiry, however, is a logical truth because the highest speed grade circle (being the active speed grade circle) has just been completed. As such, the active speed grade is set 605 to the next lowest speed grade.

Please replace paragraph **[0108]** beginning at page 37, line 5, with the following rewritten paragraph:

[0108] Figure 7 shows an embodiment of a port 700 that may be used for any of the ports 401 through 433 shown in Figure 4. That is, for example, if port ~~700~~701 of Figure 7 corresponds to the first port 401 of Figure 4, release line 409 of Figure 4 and release line 709 of Figure 7 may be viewed as the same release line. Similarly, trigger line 408 of Figure 4 and trigger line 708 of Figure 7 may be viewed as the same trigger line. Note also that, referring to Figure 5b, release line 509 may correspond to release lines 409 and 709 of Figures 4 and 7, respectively.

Please replace paragraph [0145] beginning at page 49, line 13, with the following rewritten paragraph:

[0145] In the former case, no queue service transpires while in the ~~later~~latter case the servicing corresponds to less than a full sub partition. As such, after all the populated queues have been serviced to the extent of their sub partition (note that the phrase "to the extent of their sub partition" may be read as "to no more than a full sub partition"), the combined size of all the packets pointed to from the resulting flow of packet identifiers may be less than a full partition worth of data P .
